

Page 1

November 24, 2009 2:38:59 PM Item ID: D4011-3 Accept Setup Start **Revision ID:** Stop Item Name: Clamp, Long **Start Qty: 40.00 Start Date:** 11/25/2009 **Cust Item ID: Required Date:** 12/21/2009 Req'd Qty: 40.00 **Customer:** Reference: Start Run Process Plan: Date: 09-11-24 Tooling: Approvals: Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Reject Draw Draw Plån Accept Work Center ID Description Code Number Qty **Run Hours** Rev. **Qty** Number Stamp **Draw Nbr Revision Nbr** D4011 В 100 0.00 Purchasing 0.00 Memo Issue P/O: Purchasing Manufacture as per Dwg D4011 Supplier: G.F.I. Material release note is required 110 Receive & Inspect for Damage & Mat'l Certs 0.00 Packaging 0.00 Memo Packaging 120 QC6- Inspect dimensions to drawing 0.00

Quality Control

OC

Memo

0.00

#### Work Order ID 53979



Page 2

November 24, 2009 2:38:59 PM

**Required Date: 12/21/2009** 

Item ID:

D4011-3

Accept



Setup Start

Stop



**Revision ID:** 

Item Name: **Start Date:** 

Clamp, Long

11/25/2009 **Start Qty: 40.00** 

**Cust Item ID:** 

**Customer:** 

Draw

Number

Reference:

**Approvals:** 

Process Plan:

Date: \_\_

**Tooling:** 

Date:

Start Run



QC:

Req'd Oty: 40.00

Date: \_\_\_\_\_

Date:

Draw

Rev.

Stop



Sequence ID/ **Work Center ID** 

130

Packaging

Packaging

Operation Description

Identify as per dwg & Stock Location:

0.00

SPC (Y/N):

Set Up/

**Run Hours** 

0.00

Plan Accept Code **Qty** 

Reject Qty

Reject Number Stamp

140

QC Quality Control QC21- Final Inspection - Work Order Release

0.00

Memo

Memo

0.00

10/01/06 PS

### **Picklist Print**

November 24, 2009 2:38:59 PM

Work Order ID: 53979

D4011-3 Parent Item:

Parent Item Name: Clamp, Long

IPP RevA: New issue 09.10.26 DD verified by:JLM Comments:

dwg chg Prelim-B 09.11.12 DD verified by:EC

dwg 09.11.18 DD verified by:JLM

**Start Date:** 11/25/2009

Qty

**Required Date: 12/21/2009** 

**Start Qty: 40.00** 

Required Qty: 40.00

Component Item ID/ D4011-3P

Replacement Mfg/ Purchased

No

Bin Primary Last Route 110

IPP RevB:

IPP RevC: revC as per

Each

Unit of

Remaining Qty on 0.0000

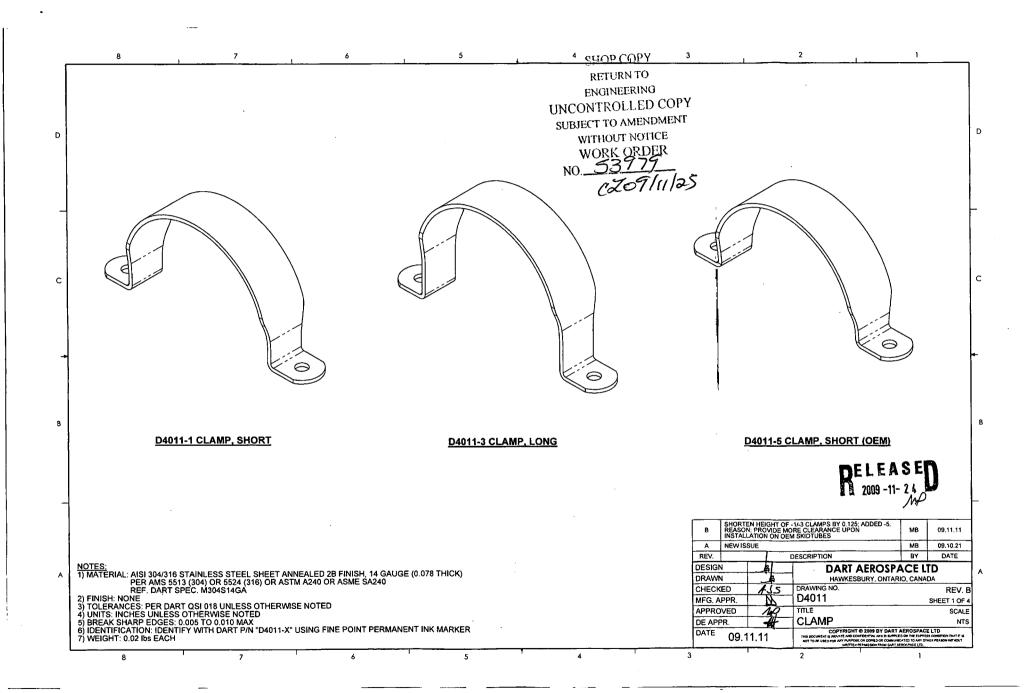
40.0000

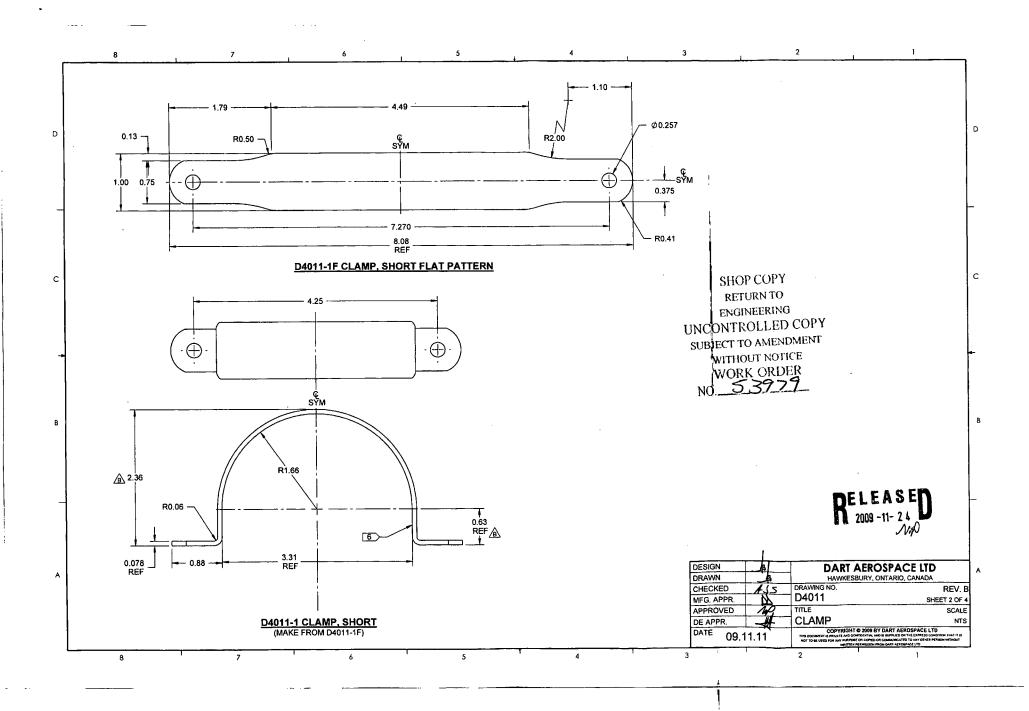
Date

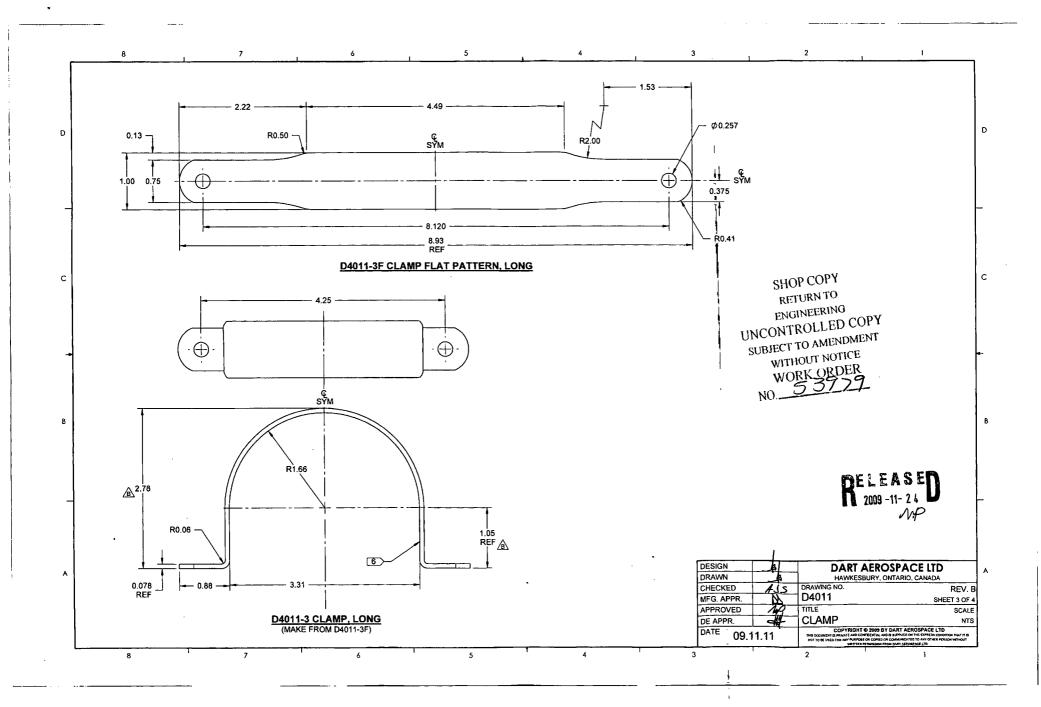
Status

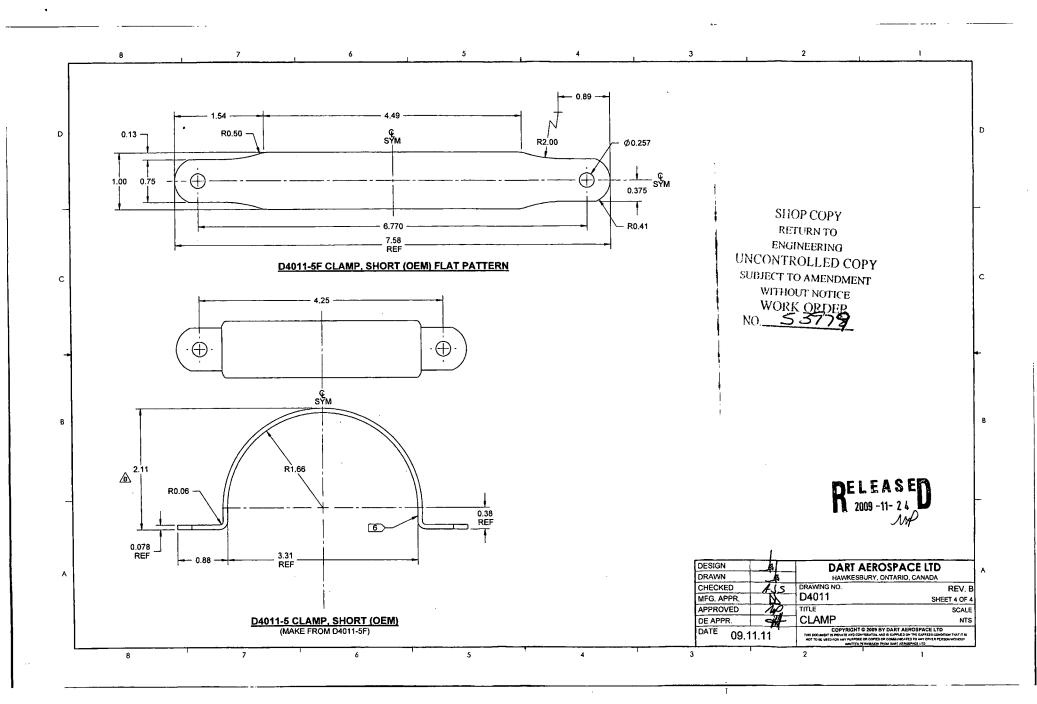
Page 1

Clamp, Long











180 AVENUE LABROSSE POINTE-CLAIRE, QUÉ., CANADA H9R 1A1 TÉL.: (514) 630-4877 - FAX: (514) 630-4849



## BON DELIVRAISON - SHIPPING MEMO

DATE DE LIVRAISON	N° BON DE LIVRAISON		
SHIPPING DATE	SHIPPING MEMO NO.		
2009/12/21	0430023		

3) Fest une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.

RECUPAR / RECEIVED BY

TENDU À / SOLD TO

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON, K6A 1K7 EXPÉDIÉ À / SHIPPED TO

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON, K6A 1K7

CODE DE CLIENT CUSTOMER CODE  DART GFI-0299  OUANTITÉ VOTRE N° DE PIÈ YOUR PART NO		N° DE CONTRAT JOB NO	Nº COMMANDE POÑO.	VIA SHIP VIA
		J0207665	PO10842	
		NECE	DESCRIPTION	
40	D4011-3P		CLAMP  CERTIFICATE OF C	ONFORMANCE REQ
	MFG. JOB # <u>JO207665</u>	-01 aty 40		

# CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



180 LABROSSE AVENUE POINTE CLAIRE, QC H9R 1A1

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

QUANTITY 40 PCS	PURCHASE ORDE	PART NUMBER  D4011-3P	REV B	NAME C <b>LAMP SHORT</b>	DWG ISSUE
MAJERIAL AMS 5513 304		SUPPLIED BY TW METALS / ALLEGHEN	NY LUDLUM	MAT. REI	NO. 7277)
	PROCESS	N REPORT ON FILE		CESSOR GEL 7	RELEASE NOTE
		MBER J0207665-01 (40 PCS)	J		
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			_]		) ]
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DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 21 DECEMBER 2009

### DP12-001 REV 0 Bombardier Certificate of Compliance TW Metals District Procedure

Revision: 0

Revision Date: 04-03-00

Superseding: Initial

Page: 1 of 1

CERTIFICATE OF COMPLIANCE

## FRAUD AND FALSIFICATION STATEMENT

The recording of false flictitious or fraudulent statements or entries on this document may be punished as a felony under federal statutes including federal law. Title 18 chapter 47.

CERTIFICATE OF COMPLIANCE This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications.

We certify that mercury, radium or alpha bearing instruments and / or equipment which might cause contamination have not been used in the manufacture, fabrication, assembly or testing of any material supplied by TW Metals Inc. Switches, glass thermometers, standard cell and other items containing the above elements may be used, but they will be located so as not to constitute a contamination hazard.

ADOVE DIDITION	,	<b>√</b>
CUSTOMER NAME:	(-	7
PURCHASE ORDER N		0075111
TEM No	<b>b</b> 1	SHIPPER INVOICE No. 1208,5009
	P	SPECIFICATON: AMS - 5513
MATERIAL:	,	Allegheng Ludlum
MANUFACTURING MIL	1:	HEAT/LOT NO. 827277
size:		120 125
PART NO. TS 08	DA7	Amy Davis
TEST DEPARTMENT	ERK	Airig vacus
:		
AUTHORITY		
Joe Schab		
Director of Quality Ass	ntaucé	
	- 11	li de la companya de

This document is maintained as a Controlled Document only in the TW Metals computer system. Once printed, this document immediately becomes Uncontrolled and is subject to change at any time and without notice.

Description: 30AL ANN Cardender GFF, incorp Brippind: 02/24/2009 Hoote 82/2/7

JUITED PERFORMANCE METALS
That his particular with the macroid to
the this profit has the secondaries with the meaning to the secondaries are maintain this pand on your purchass order
sometime to the totowall the maintain on account to the secondaries.
WATS Symmes Resed Memilians, OH 45015

NOTICE OF SHIPMENT! PACKING LIST

CERTIFICATE OF TEST

AL 0188-9 407

DATE SHIPPED MULL CROSS ARMAGER PRODUCT CODE ACCEPTION MEL 09/22/08 CUST, CODE 113020102060000 (30-088-108 CLEST, CRED. NO. 1. CATE 400569 08/08/08 110977 NEW CASTLE, IN. SHIPPING LOCATION MATS. 01013080 IN 070843 ORING DISTRIBUTION 11124 NEW CASTLE 器 1 器 82037-9 26 SHIP TO PRIME SEC SOLD TO UNITED PERFORMANCE METALS DSO DSO UNITED PERFORMANCE METALS 3475 SYMMES ROAD 584 3475 SYMMES ROAD OH 45015 HAMILTON OH 45015 HAMILTON

CARRIER - CLAY TRANSPORT, INC. ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 28 FIN 3 RDGE (FMI 304L/304/302 ISSUE 7) (AMS 2248E) (AMS 5511H) (AMS 5513H) (AMS 5516P) (ASTM-A-262-02A PRA E/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/31/07) (ASTM-A-240-08) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (05/14/08 EXCEPT FMI 304L/304/302) (UNS \$30403) (UNS \$30200) (UNS \$30400) (P-14, F-17, F-22, F-23, F-MASTER) (FWA 300 REV BH) (CONTROLLED TO FWA LCS REQUIRMENTS) TAG #/ CD SKID # GROSS TARE NET THEO TEST # COIL # HEAT TTRM PCS DIMENSIONS W/G/L/ 172762 60 20415 20475 7745141 da148N503 827277 1 48./.080/1570. C CUST IDENTITY 00718 20415 60 20475 1 SKID

--N-----CR-- --NI-- --MO----SI --MN-.07 .38 TYPE HEAT/TEST .44 18.24 8.11 .39 .0004 035 1.75 .018 .07 HEAT 827277 .38 18.27 8.07 .44 .0004 .39 .033 1.75 .014 CHBCK 7745141

CORROSION GRAIN TENSILE & ELONG BEND A 262 PR E SIZE AIELD % R/A HARDNESS IN 2" PSI PSI \* T PASS PASS ITEM TEST NO 86.HRBW 001B 7745141 86.HRBW

96000. 64. т 48000. \* Y.S. BY 0.2% OFFSET METHOD

P&W E-25 MELT TRAN BEND SOURCE

ITEM TEST NO 2. 1. 001B 7745141

REVIEWED BY C.C.

ETCHANT USED: OXALIC ACID METALLOGRAPHIC MAGNIFICATION: 100X

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PAGE 01 - CONTINUED ON PAGE 02

09/22/08 09:51:53

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The opper is a true copy of data on the The material and less names portion to the sales potential and specification(s) as set both in Associaty Lucksons Order Associations and

Size, 48 X 123 P.O. D12012051 Parkt SFSBO Sains & 01124187 Quandy: 1

CERTIFICATE OF TEST

AL6164-3 407

DATE BHIPPED ALL DROSS BUNGER PRODUCT CODE 109/22/08 ACCEPTED WILL OUST-COOE 13020102060000 30-088-108 CAIGH, OMD, NO, & DATE 08/08/08 110977 NEW CASTLE, IN. 400569 INVOCE 400569 BINTEN BLOCKHON MATA. 01013080 IN 1070843 LOUNG DISUNDANCE 1124 NEW CASTLE 389 1 BB SHIP TO PRIME SEC. UNITED PERFORMANCE METALS SOLD TO DSO DSO UNITED PERFORMANCE METALS 3475 SYMMES ROAD 584 OH 45015 3475 SYMMES ROAD HAMILTON OH 45015 HAMILTON

CARRIER - CLAY TRANSPORT, INC. ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 28 FIN 3 EDGE (FMI 304L/304/302 ISSUE 7) (AMS 2248E) (AMS 5511H) (AMS 5513H) (AMS 5516P) (ASTM-A-262-02A PRA E/SCREEN FRA A) (ASTM-A-666-03) (S-400 DTD 10/31/07) (ASTM-A-240-08) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (05/14/08 EXCEPT PMI 304L/304/302) (UNS \$30403) (UNS \$30200) (UNS \$30400) (F-14, F-17, F-22, F-23, F-MASTER) (PWA 300 REV BH) (CONTROLLED TO PMA LCS REQUIRMENTS)

AUSTENITIC STAINLESS STEELS ARE SOLUTION ANNEALED AT 1900 DEGREES PAHRENHEIT MINIMUM (1038 C) AND RAPIDLY COOLED TO DEVELOP THE SPECIFIED PROPERTIES. EVIDENCE OF CONFORMANCE IS PROVIDED BY THE ABILITY OF THE MATERIAL TO MEET THESE SPECIFIED MECHANICAL AND CORROSION REQUIREMENTS

ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS. TO THE BEST OF ALLEGHENY LUDLUMS KNOWLEDGE, UNDERSTANDING, AND BELIEF, THIS MATERIAL WAS NOT CONTAMINATED BY MERCURY WHILE IT WAS BEING PRODUCED IN OUR FACILITIES.

NO WELDS/WELD REPAIRS PERFORMED.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:

- 1. MATERIAL MELTED AND ROLLED IN THE UNITED STATES AND COMPLIES WITH DEARS EDITION 1998. SECTION 252.225-7014
- 2. FOREIGN MELT AND ROLLED IN THE UNITED STATES

PAGE 02 - CONTINUED ON PAGE 03

09/22/08 09:51:53

UNITED PERFORMANCE METALS
This is to certify that is accordance with the memoris in
our first the maniful shipped on your purchase order
conturns to the following.
3475 Symmes Road Hamilton, CH 45015

5601

769

NOTICE OF SHIPMENT! PACKING LIST ATT Allegheny Ludium

CERTIFICATE OF TEST

DATE SHIPPED MULICADEA HOUSER PRODUCT COCE ACCEPTING MILL 9000,780,0 109/22/08 CUST, ORO. NO. A DATE 113020102060000 | 30-088-108 400569 GOVI CONTRACT 77 NEW CASTLE. CASTLE, IN. 08/08/08 110977 EHIPPING LOCATION 01013080 IN 1070843 1124 NEW CASTLE 1 開 SHIP TO PRIME SEC. SOLD TO UNITED PERFORMANCE METALS DSO DSO UNITED PERFORMANCE METALS 3475 SYMMES ROAD 584 3475 SYMMES ROAD OH 45015 HAMILTON OH 45015 HAMILTON

GRADE AND SPECIFICATIONS

CARRIER - CLAY TRANSPORT, INC.

ALLEGHBNY STAINLESS STEEL TYPE 304-L SHRET C R COILS ANNEALED 2B FIN 3 EDGE (FHI 304L/304/302 ISSUE 7) (AMS ALLEGHBNY STAINLESS STEEL TYPE 304-L SHRET C R COILS ANNEALED 2B FIN 3 EDGE (FHI 304L/304/302 ISSUE 7) (AMS 2248E) (AMS 5511H) (AMS 5513H) (AMS 5516F) (ASTM-A-262-02A PRA E/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/31/07) (ASTM-A-240-08) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (05/14/08 EXCEPT FMI 304L/304/302) (UNS 830400) (UNS 830400) (P-14, F-17, F-22, F-23, F-MASTER) (FWA 300 REV BH) (CONTROLLED TO FWA LCS REQUIRMENTS)

THIS CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF THE COMPANY. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ALC QUALITY MANUAL REVISION 17 DATED 05/12/2008. ALC HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE 150-9001. DIN EN 10204:2005 - 3.1. ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO AD-MERK BLATT WO/TRO100 AND THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC. TESTING WAS PERFORMED AT ALC NADCAP AND ISO/IEC 17025 APPROVED LABORATORIES LOCATED AT NATRONA HEIGHTS, BRACKENRIDGE, LATROBE, AND MIDLAND, PA FACILITIES OR A NADCAP AND ISO/IEC 17025 ACCREDITED LABORATORY.

ALC HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001:2000, AS9100, AD 2000-MERKBLATT WO, AND EU PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, NADCAP MATERIALS TESTING, ISO/IBC 17025, GEAE 8400. REPER TO WWW.ALLEGHENYLUDLUM.COM TO ACCESS THE CURRENT ALC QUALITY CERTIFICATIONS.

ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE RR9000: SABRE REQUIREMENTS.

MATERIAL TESTED AT ALLEGHENY LUDLUM GEAE \$400 (DATED 10/31/07) APPROVED FACILITIES: NATRONA HEIGHTS TECHNICAL CENTER AND BRACKENRIDGE, PA.

PAGE 03 - CONTINUED ON PAGE 04

09/22/08 09:51:53

CONSTITUTION TO THE PROPERTY OF THE PROPERTY O

NOTICE OF SHIPMENT! PACKING UST

Allegheny Ludium

CERTIFICATE OF TEST

AL 6162-3 407

DATE GIMPPED HALL ORDER HANGER PRODUCT 0905 109/22/08 13020102060000 30-088-108 ACCEPTING MILL CUST. CODE HIVOROE CUST, OFFI, HO, & DATE 400569 SKEPHIG LOCATION 08/08/08 110977 NEW CASTLE. IN [070843 MITL. CONT CONTRACT 01013080 REPEAT DO PARTY STREET ORITY 82037-9 26 11124 NEW CASTLE HORNES DISTRIBUTION 雪 器 1 器 SHIP TO PRIME SEC. UNITED PERFORMANCE METALS SOLD TO DSO DSO UNITED PERFORMANCE METALS 3475 SYMMES ROAD OH 45015 584 3475 SYMMES ROAD HAMILTON OH 45015 HAMILTON

CARRIER - CLAY TRANSPORT, INC.

ALLEGHENY STAINLESS STEEL TYPE 304-L SHERT C R COILS ANNEALED 2B FIN 3 EDGE (FML 304L/304/302 ISSUE 7) (AMS 2248E) (AMS 5511H) (AMS 5511H) (AMS 5512H) 2248E) (AMS 5511H) (AMS 5513H) (AMS 5516P) (ASTM-A-262-02A PRA E/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/31/07) (ASTM-A-260-03) (S-400 DTD 10/31/07) (ASTM-A-260-03) (S-400 DTD 10/31/07) (ASTM-A-260-03) (S-400 DTD 10/31/07) 10/31/07) (ASTM-A-240-08) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (05/14/08 EXCEPT FMI 304L/304/302) (UNS S30403) (UNS S30280) (UNS S30280) (UNS S30280) \$30403) (UNS \$30200) (UNS \$30400) (F-14, F-17, F-22, F-23, F-MASTER) (PWA 300 REV BH) (CONTROLLED TO PWA LCS REQUIRMENTS) REQUIRMENTS)

ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES: C.S BY COMBUSTION/INFRARED N.O.H BY INERT FUSION/THERMAL CONDUCTIVITY MN, P.SI, CR, NI, MO, CU, CB, CO, V BY WDXRP AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES

MATERIAL MELTED AND ROLLED IN THE UNITED STATES AND COMPLIES WITH DFARS EDITION 1998, SECTION 252 225-7014 252.225-7014

> >>>>>> <<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>> REGISTER AT WWW.ALCEXTRA.COM <<<<<<

> > ISSUED BY ALLEGHENY LUDLUM - 9/23/2008 08:37 CAROLE DEFILIPPI / QUALITY ASSURANCE DEPT.

CONTROL NO. Prime Note - Trick consequences used burned over to person to the consequences of the conseque